

**“Enhanced Coal Bed Methane Production  
Through Computerized Gas Lift”**

**Petroleum Asset Management Company**

## Project Objective

- **To develop a pumping system for the removal of produced water utilizing an on-board computerized controller and sensors to indicate the optimal pumping schedule. System will eliminate the need for remote electric services and will be designed to specifically address reducing labor time and associated costs of operation, reducing maintenance costs, reducing operating energy costs, while enhancing methane production.**

## Methodology

- **Design integrated gas lift pumping system utilizing a two-stage gas compressor fueled by casing head gas**
- **Design Web-based user interface to allow monitoring of crucial dewatering system functions and measured values through Low Earth Orbit Satellite telemetry**
- **Demonstrate technology in two field demonstrations**
- **Develop application guide with criteria needed for successful selection and installation**



**Chesapeake Energy**

# End-to-End Solution

